

§ 34.05-10

construction or conversion of which is contracted for on or after May 26, 1965, a fixed carbon dioxide system shall be installed in all spaces containing internal combustion or gas turbine main propulsion machinery, auxiliaries with an aggregate power of 1,000 b.h.p. or greater, or their fuel oil units, including purifiers, valves, and manifolds.

(iii) On vessels of 1,000 gross tons and over, the construction, conversion or automation of which is contracted for on or after January 1, 1968, a fixed carbon dioxide system shall be installed in all spaces containing internal combustion or gas turbine main propulsion machinery, auxiliaries with an aggregate power of 1,000 b.h.p. or greater, or their fuel oil units, including purifiers, valves and manifolds.

(8) *Enclosed ventilating system.* On tankships contracted for on or after January 1, 1962, where an enclosed ventilating system is installed for electric propulsion motors or generators, a carbon dioxide extinguishing system shall be installed in such system.

(b) The arrangements and details of the fire-extinguishing systems shall be as set forth in subparts 34.10 through 34.20.

[CGFR 65-50, 30 FR 16694, Dec. 30, 1965, as amended by CGFR 67-90, 33 FR 1015, Jan. 26, 1968; CGD 77-057a, 44 FR 66502, Nov. 19, 1979; CGD 95-027, 61 FR 25998, May 23, 1996]

§ 34.05-10 Portable and semiportable extinguishers—TB/ALL.

(a) All portable and semiportable extinguishers on board tank vessels shall be of an approved type.

(b) The type, size, location and arrangement of portable and semiportable extinguishers shall be as set forth in subpart 34.50.

[CGFR 65-50, 30 FR 16694, Dec. 30, 1965, as amended by CGFR 70-143, 35 FR 19905, Dec. 30, 1970]

§ 34.05-20 Fire axes—T/ALL.

(a) Fire axes shall be provided on all tankships.

(b) The location and arrangement of fire axes shall be as set forth in subpart 34.60.

46 CFR Ch. I (10-1-08 Edition)

Subpart 34.10—Fire Main System, Details

§ 34.10-1 Application—TB/ALL.

(a) On all tankships the provisions of this subpart, with the exception of § 34.10-90, shall apply to all fire main installations contracted for on or after May 26, 1965. Installations contracted for prior to May 26, 1965, shall meet the requirements of § 34.10-90.

(b) If a fire main system is installed on a tank barge, the system shall meet the intent of this subpart insofar as reasonable and practicable.

§ 34.10-5 Fire pumps—T/ALL.

(a) Tankships shall be equipped with independently driven fire pumps in accordance with table 34.10-5(a).

TABLE 34.10-5(a)—FIRE PUMPS

Size vessel, L.O.A. (feet)		Minimum number of pumps	Powerful streams of water per pump	Minimum hydrant and hose size (inches)	
Over—	Not over—			Exterior stations	Interior stations
	100	(¹)
100	250	2 1	3 2	1 1/2	1 1/2
250	400	2	3 2	1 1/2	1 1/2
400	650	2	3 2	4 2 1/2	1 1/2
650	2	3 3	4 2 1/2	1 1/2

¹Vessels of 65 feet and not over 100 feet shall be equipped with 2 B-V extinguishers. (Refer to Table 34.50-5(c).) Vessels under 65 feet shall be equipped with 1 B-V extinguisher. (Refer to Table 34.50-5(c).)

²Vessels of 1,000 gross tons and over on an international voyage shall have at least 2 fire pumps.

³From hydrants having greatest pressure drop between fire-pump(s) and nozzles.

⁴Where 2 1/2-inch hydrant size is required, two 1 1/2-inch outlets may be substituted therefor with two 1 1/2-inch hoses.

(b) Each pump shall be capable of delivering simultaneously the number of streams of water required by table 34.10-5(a) from the outlets having the greatest pressure drop between fire pump(s) and nozzles at a Pitot tube pressure of approximately 75 p.s.i. Where 1 1/2-inch hose is permitted in lieu of 2 1/2-inch hose by footnote 3 of Table 34.10-5(a), the pump capacity shall be determined on the basis that both hoses are used.

(c) On tankships of 1,000 gross tons and over on an international voyage, each required fire pump, while delivering water through the fire main system at a pressure corresponding to that required by § 34.10-15(e), shall have a minimum capacity of at least two-